

## SEQUENCE LISTING

<110> Xu, Jiangchun

<120> COMPOUNDS FOR IMMUNOTHERAPY AND  
DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

<130> 210121.471C1

<140> US

<141> 1999-07-02

<160> 120

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 458

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 1

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ttccgaagtc	agctccttgg	ttctcccgtg	gaggggtgatc	ttgaagtact	ccctgttttg	180
agaaactttc	ttgaagaaca	ccatagcatg	ctgggtttag	ttggtgctca	ccactcggac	240
gaggtaaactc	gttaatccag	ggtaactctt	aatgttgccc	agcgtgaact	cgccgggctg	300
gcaacctgga	acaaaagtcc	tgatccagta	gtcacacttc	tttttcctaa	acaggacgga	360
ggtgacattg	tagctcttgt	cttctttcag	ctcatagatg	gtggcataca	tcttttgctg	420
gtctttgtct	tctctgagaa	ttgcattccc	tgccagga			458

<210> 2

<211> 423

<212> DNA

<213> Homo sapien

<400> 2

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tacagtcctt	tgtttggtatg	ctggggagag	taatccctac	cccaagcacc	atatagataa	180
gaaaaccctc	tccagtttag	ctgaaccaca	gacggtttgc	tgatgttcac	cacaccacca	240
tgaccacagc	tccctggagt	gggaggaggg	tggacgacag	gggtgttttg	atcttttagag	300
gcttcacact	ctttcagctt	ggtcttcaga	gccacgattt	ctgggcgaat	ggcaaggaca	360
ttgtttttgt	ctagtgtctc	aagcttctct	accaagagag	tcataattct	tatctccacc	420
tcc						423

<210> 3

<211> 538

<212> DNA  
<213> Homo sapien

<400> 3

ggtctgtcca	atggcaacag	gaccctcact	ctaytcartg	tcacaagraa	tgayrcagsa	60
msctayraat	gtgaaaycca	gaacccagtg	agtgccarsc	gcagtgayyc	agtcacccctg	120
aatgtcctct	atggcccrga	tgmccccacc	atttccccctc	taaacacatm	ttaccgwyca	180
ggggaaaatc	tgaacctctc	ctgccacgca	gcctctaacc	cacctgcaca	gtactcttgg	240
tttrtcaatg	ggactttcca	gcaatccacm	caagagetct	ttatcccca	catcactgtg	300
aataatagyg	gacccctatac	gtgccaagcc	cataactcag	mcactggcct	caataggacc	360
acagtcacga	cgatcacagt	ctatgcaaga	gccacccaaa	cccttcacatca	ccagcaacaa	420
ctccaacccc	gtggaggatg	aggatgctgt	agccttaacc	tgtgaacctg	agattcagaa	480
cacaacctac	ctgtggtggg	taaataatca	gagcctcccg	gtcagtccca	ggctgcag	538

<210> 4  
<211> 309  
<212> DNA  
<213> Homo sapien

<400> 4

tggtaaacca	aaaagatgct	ggggcagatt	gtggacaagt	agaagaacct	ccttccccctc	60
tgccaacatt	gaacggcgtg	gattcaatag	tgagcttggc	agtgggtgggc	gggttccaga	120
aggttagaag	tgaggctgtg	agcaggagcc	cctgccaggg	gatvcacgca	mtctgtgggg	180
aggggctgag	rggdgwcyc	atggtctctg	ctgtctgtctc	tgtcctcctc	tgtggagaag	240
agcttgagct	ccaggaacgc	tttgrtcavg	gctgcctgtg	acctytgctc	tgbtctgect	300
gcccgggcg						309

<210> 5  
<211> 412  
<212> DNA  
<213> Homo sapien

<400> 5

gtccaatggc	aacaggaccc	ctcacttcta	ttcaatgtca	caagaaatga	cgcaagagcc	60
tatgtatgtg	gaatccagaa	ctkcaagtga	tgcaaacgcg	agtgaaccag	tcaccctgga	120
tgtcctctat	gggccagaca	scctccatca	tttccccccc	agactcgtct	tacctttcgg	180
gagcgaacct	caacctctcc	tgccactcgg	cctctaaccc	atcccccgag	tattcttggc	240
kgtatcaatg	ggataccgca	gcaacacaca	caagttctct	ttatcgccaa	aatcacgcca	300
aataataacg	ggacctatgc	ctgttttgtc	tctaacttgg	ctactggccc	gcaataattc	360
catagtcaag	agcatcacag	tcttctgcat	ctggaacttc	tcctgggtctt	ct	412

<210> 6  
<211> 332  
<212> DNA  
<213> Homo sapien

<400> 6

gtgcaagggc	tttacaaaaa	ctgtgccagt	krccttctyca	tgwsrwcrga	tctgacttka	60
ttsaygttkt	atgagsysya	saatmctgaw	gctcmtytys	sakgrwsttc	kgsatmrgea	120
gtsrattcsa	catttggrt	akrtymtctc	tsgaagysam	tgtcakgcag	tgrcayccwr	180
gkktcwgct	gcwgtgrgtt	amcakcmwtr	ywtgksgsm	ayatrattta	ramrgtayak	240
cymtctcmct	cytycmccay	wtgwcass	mkcacacctc	ggccgcgacc	acgctaagcc	300
cgaattccag	cacactggcg	gccgttacta	gt			332

<210> 7

<211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 7

tggtgttgtt	ggcgccagtt	ccctggacct	ggaacagccg	tgtggagggc	ccggtctcca	60
agttgttagt	tcgggaggtg	ctccctgggt	agaccaccat	gcgtcccttg	aagatggaca	120
taagatgagg	tggctccttg	cccattggga	cccgatctg	gactggttca	ccattgtact	180
tctggtccag	gatgacggct	tgataagctg	atgctgtaat	ttcatcttg	ctggcctggc	240
tgccctgcc	aacgtagagc	aggtaatgct	gcttctcgcc	gatgaaggta	ggtgtaagag	300
cagcaggtaa	gcaagttcgc	ccccatagaa	gtgggcctag	ccacttgga	ttccagcaca	360
ctggcggccc	gttactagt	ggatcccag	ctcggtacca	a		401

<210> 8  
 <211> 1151  
 <212> DNA  
 <213> Homo sapien

<400> 8

ctctctccat	aaaactcagc	actttacaga	tgtagaatat	ataagcatgc	caaatttact	60
tatctgccac	atacaaagca	tcattccagg	tgctagttag	gggaaaaaaaa	agttggagat	120
ttggtccctc	gaggagctcc	agatattaat	ctacctaaact	aagtccccag	gtttcttcca	180
ggcatggaag	aattagtggg	gctacatgga	tgaggactag	tcattgggca	atatttctctg	240
tacaaagaat	ccctagacgc	catactgagt	tttaagttcc	ttaattccta	atttaaggct	300
tctagtgaag	cctcctcaca	gtaggcttca	ctaggcccc	agtgcacct	gacctctgac	360
aatccccccc	tagacagact	ttattgcaaa	atgcgcctga	agaggcagat	gattcccaag	420
agaactcacc	aaatcaagac	aaatgtccta	gatctctagt	gtggtagaac	tatgcacct	480
aacattgctg	caaaatgaac	acacttttag	acacccctgc	agatatctaa	gtaagtggag	540
aagactattt	tttcaacaaa	cattttctct	ttcacccctaa	ctcctaaaca	gcttactggg	600
gcttctgcaa	gacagaaaga	tcataattca	gaaggtaacc	atcgttatag	acataaagtt	660
tctggtcaaa	agggttatag	ttaatgctct	gcactttttc	ctgcatctta	tgcattacaa	720
tgtctagttt	gccctctttc	cctgtgtttg	tgtcataata	gtaaaaaatc	tcttctgttc	780
tggtgtttca	tagtacgggt	ggcatacaga	acccacata	ccatgaaggc	gttagaagca	840
gatggtttat	actgcttggt	ataccaagtg	tttagcacct	gaagtgtggt	gtcattgagt	900
ttactaatca	ccatgttacc	agtgtctggt	tcagttgaat	aaataaccca	caatccattc	960
tcacccacag	caaagtcaat	atcttgccaa	gcaacattag	catatgaaaa	gcggttatta	1020
taggcagcat	tagggagagt	ttgagtcaca	gcaatcgtgt	tggtggtcag	gttaactctg	1080
gcaatattcc	cgggtgttga	catgttgacg	tacatgttgt	tgttgtaaac	tgctgtacca	1140
ctaccttgg	a					1151

<210> 9  
 <211> 604  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(604)  
 <223> n = A,T,C or G

<400> 9

ctgtgcaagg	gctttacaaa	aactgtgcc	ggacttccca	tgaggctgga	ttgcttgatt	60
catgttttat	gagccccaca	atactgaagc	tccttttcca	gggacttggc	ataggcagtc	120
aattccacat	ttgggatagg	tcctctctgg	aagtgaatgt	caggcagtga	catccaagtt	180
tctgcatgca	gtgggttaac	agccatgttt	agggggaaca	tgatttataaa	agtacatctc	240

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tctccctcct cccccacatg cacaaggctc acatctcatt atggtgkegg cccatgtcac      300
attaaagtgt gatacttkgg ttttgaaaac attcaaacag tctctgtgga aatctggaga      360
gaaattggcg gagagctgcc gtggtgcatt cctcctgtag tgcttcaagn taatgcttca      420
tcctttntta ataacttttg atagacaggg gctagtcgca cagacctctg ggaagccctg      480
gaaaacgctg atgcttggtt gaagatctca agcgcagagt ctgcaagttc atccccctctt      540
tcctgaggtc tgttggtgctg aggctgcaga acattggtga tgacatggac caccgccattt      600
gtgg                                              604

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<210> 10
<211> 473
<212> DNA
<213> Homo sapien

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<400> 10
tcgagaagat ccctagtgag actttgaacc gtatcctggg cgaccagaa gccctgagag      60
acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc      120
tgtctgtgga gacctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca      180
ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc      240
actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag      300
agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct      360
ctggaagtga gcggttgacc ctctgggct cccctgaatt ctgtattcaa agatggaacc      420
cctccaattg atgccatac aaggaatttg cttcggaacc acataattaa aga              473

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<210> 11
<211> 411
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

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<400> 11
tcttcattgg tcggggccaa aagcgtgtac tggcgttac cttcaagcat cgtgttgagc      60
cctgatgcag ccacagcagc ccgaagggtc tcaaagggtgt cctcgatctc aatgatctgc      120
tggatgttgt tggatgatgt ggagatgacc ttatcgatga ggtgcaccac cccgttggtt      180
gcatggtggt cggcttttyar carccgggca cagttcacag ttacaatccc attaggatag      240
tggatgatct nggatgttg aattctggta catagnaggt gaggggtcat gccctggtt      300
cagctcatca gtcaggactc gcctgccac catatggtaa gcsgragggc atttgagcag      360
ctcaatgttt gacattgctg gaccagggga gttccagcac ttctangang a              411

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<210> 12
<211> 560
<212> DNA
<213> Homo sapien

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<400> 12
tacttgacct gagatwgyt tykckwmtg ytcwrawgtc cgtggataca gaaatctctg      60
caggcaagtt gctccagagc atattgcagg acaagcctgt aacgaatagt taaattcacg      120
gcatctggat tcctaatect ttccgaaat ggcaggtgtg agtgacctga taaaatattc      180
tatgtttacc ttcaacttct tgttctggct atgtggtatc ttgatcctag cattagcaat      240
atgggtacga gtaagcaatg actctcaagc aatttttggg tctgaagatg taggctctag      300
ctctacgtt gctgtggaca tattgattgc tgtaggtgcc atcatcatga ttctgggctt      360
cctgggatgc tgcggtgcta taaaagaaag tcgctgcatg cttctgttgt ttttcatagg      420

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cttgcttctg atcctgctcc tgcaggtggg cgacaggtat cctaggagct gttttcaa	480
ctaagtctga tcgcattgtg aatgaaactc tctatgaaaa cacaaagctt ttgagcgcca	540
caggggaaag tgaaaaacaa	560

<210> 13  
 <211> 150  
 <212> DNA  
 <213> Homo sapien

gggcaggctg tctttttaa atgtctcggc tagctagacc acagatatct tctagacata	60
ttgaacacat ttaagatttg agggatataa gggaaaatga tatgaatgtg tatttttact	120
caaaataaaa gtaactgttt acgttggtga	150

<210> 14  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

ctgctgcctg tggcgtgtgt gggetggatc ccttgaaggc tgagtttttg agggcagaaa	60
gctagctatg ggtagccagg tgttacaaag gtgctgctcc ttctccaacc cctacttggg	120
ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcattgacac	180
cttatcacct cctccttgg gtgagctctg aacaccagct ttggcccttc cacagtaagg	240
ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta	300
gcatagggtga gccctgagca ctaaaaggag gggctccctga agctttccca ctatagtgtg	360
gagttctgtc cctgaggtgg gtacagcagc cttggttccct ctg	403

<210> 15  
 <211> 688  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(688)  
 <223> n = A,T,C or G

caaagcacat tttaatcatt tatttttaaaa gggggagtaa agcattttaa ctgccaatcc	60
tatagactag gacttgaaca tcaaaggaaa aatagacaaa gactagatga taaagtcatt	120
caaaagcaca gaagcacatc acatacacca gcaaggtttc caactactgc actgattaac	180
tagatactct caatagcttt tctatagctc gtcctagaaa aaaaaattaa attttcattt	240
tcttacaagt tccaggctta aacaaaggca aaaattacat gcaacaactg atacactcat	300
aagttgcaca tatgtccaa ggtctttatt agataacaat aaatgctagc actttgtcac	360
tgccatcaga ttttccttat agtcttagag tcatgtaaat aaaagttcca taatgaaatt	420
aaagaaaatt aatttttcta atcttagatc agttccatag aaaactatta atttttttaa	480
agtaggcagt agaagggggg tgggtggggg tggaattggg tagtaagtct ggttctaatc	540
ttctgagctg cctttggaag gaagttatga ggtagaagat tctactgact tttagtaagg	600
tggacaatga gagaaaagaa aaagcaggtg cctcatcnnc agatccttnt ggtatttatn	660
tgccangtnc nanntaatnc atanaaag	688

<210> 16  
 <211> 408  
 <212> DNA

<213> Homo sapien

<400> 16

cagggtcatca	agatgactta	caggatgtaa	tagggagagc	tgtcgagatt	ggtgttaaaa	60
agtttatgat	tacaggtgga	aatctacaag	acagtaaaga	tgcactgcat	ttggcacaaa	120
caaatggtat	gtttttcagt	acagttggat	gtcgctctac	aagatgtggt	gaatttgaaa	180
agaataaccc	tgatctttac	ttaaaggagt	tgctaaatct	tgctgaaaac	aataaaggga	240
aagttgtggc	aataggagaa	tgcggaactg	atgttgaccc	gactgcagtt	ttgtcccaaa	300
gatactcaac	tcaaataatt	tgaaaaacag	tttgaactgt	cagaacaaac	aaaattacca	360
atgtttcttc	attgtccgaa	actcacatgc	tgaatttttg	gacataat		408

<210> 17

<211> 407

<212> DNA

<213> Homo sapien

<400> 17

ggtcctgggg	aggccctagg	ggagcacctg	gatggagagg	acagagcagg	ggctccagca	60
ccttctttct	ggactggcgt	tcacctccct	gctcagtgct	tgggctccac	gggcaggggt	120
cagagcactc	cctaatttat	gtgctatata	aatatgtcag	atgtacatag	agatctatct	180
tttctaaaac	attccctctc	ccactcctct	cccacagagt	gctggactgt	tccaggccct	240
ccagtgggct	gatgctggga	cccttaggat	ggggctccca	gctcctttct	cctgtgaatg	300
gaggcagaag	acctccaata	aagtgccttc	tgggcttttt	ctaacctttg	tcttagctac	360
ctgtgtactg	aaatttgggc	ctttggatcg	aatatggtca	agagggtt		407

<210> 18

<211> 405

<212> DNA

<213> Homo sapien

<400> 18

tgaagagtca	acttgggcct	ggaggactga	taaagtttgt	gattttgagg	gcctctaaaa	60
gtattaaagc	agcggcagcc	gctgcacgca	gacatgaggg	ctagggtaaa	acagtaagat	120
caagttgttt	ggacagaaaag	gctacagagt	gtggctcctg	ctcttggtga	agaattacga	180
ccacgctaac	catgcctagg	aaggaaagga	gttattgttt	tgtagaaagg	tgctgggggt	240
tgagagatca	gtcggacacg	attggcaggg	agagcacgtg	tgtttttatg	agaattatgc	300
ccgagatagg	taacagatga	ggaagaaatt	tgggcttgat	tgaagtaatg	ggggctgtct	360
gtgaagcttt	gcagcagtac	agcctaggta	atttgctgag	cctaa		405

<210> 19

<211> 401

<212> DNA

<213> Homo sapien

<400> 19

tcctgacatt	cctgccttct	tatattaata	agacaaataa	aacaaaatag	tgttgaagtg	60
ttggggcagc	gaaaattttt	ggggggtggt	atggagagat	aatgggcat	gtttctcagg	120
gtcgcttcaa	gcgggattag	gggcggcgtg	ggagcctaga	gtgggagaga	ttaagctgaa	180
gggaggtcct	gtggtaaggg	gtgatatcat	ggggatgtta	gaagaaacat	ttgtcgtata	240
gaatgattgg	tgatggcctg	gatacggttt	tggatgattt	gagaagctaa	atggaagata	300
caaggtccga	ataaaaggag	gagaaaaatg	ggtattaaat	gtctaagaat	tgggaggacc	360
taggacatct	gattagagag	tcctaaagga	gattcagcat	a		401

<210> 20

<211> 331

<212> DNA  
<213> Homo sapien

<400> 20  
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 atctgcagaa cgatgcgggc attgtccaca gtatttgoga agatctgagc cctcagggtcc 120  
 tcgatgatct tgaagtaatg gctccagtct ctgacctggg gtcccttctt ctccaagtgc 180  
 tcccggattt tgctctccag cctccgggtt tcgggtotoca ggcctctcac tctgtccagg 240  
 taagaggcca ggcggtcggt caggctttgc atggtctcct tctcgttctg gatgcctccc 300  
 attcctgcc aacccccggc tatccccggtg g 331

<210> 21  
 <211> 346  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(346)  
 <223> n = A,T,C or G

<400> 21  
 ggtccaccac ttgtaccoga tatggacttc cggcttctct gtccaatgga gccacactaa 60  
 agatctcacc agtcacgtgg tcaattttta gccaacctct tgtgtctccc ctcaagtgaat 120  
 agcttatgtc cagaccttct ggatccttgg cagtcacatt gccacttta gtgcctatag 180  
 ctacatcttc actgactttc gcttggaata cgtgttgga aaattgagg gcttcattca 240  
 catctgtcac aataagncgt gaacttgga aaagaacttg cattgtactt cacaccaaac 300  
 actagaggct caggattttc tgctttgaac acaatgttgg aaacag 346

<210> 22  
 <211> 360  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(360)  
 <223> n = A,T,C or G

<400> 22  
 gaagactccc tctctcgga gccggatccc gagccgggca ggatggatca ccaccagccg 60  
 gggactgggc gctaccagg gcttcttaat gaagaggata actcagaatc atcggctata 120  
 gagcagccac ctacttcaaa cccagcacc gcagattgtg caggctgcgt cttcagcacc 180  
 agcacttgaa actgactctt cccctccacc atatatagtg attactggtg gaagtaccta 240  
 caacttcaga tacagaagtt tacggtgagt tttatcccg gccacctccc tatagcgttg 300  
 ctacctctct tctacnwa cgatgaaagc tgagaaggct aaagctgctg caatggcatg 360

<210> 23  
 <211> 251  
 <212> DNA  
 <213> Homo sapien

<400> 23  
 ggcggagctc cagcagagc tggaaaagga accttttgag gatggctttg caaatgggga 60  
 agaaagtact ccaaccagag atgctgtggt cactatact gcagaaagta aaggagtcgt 120

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gaagtttggc tggatcaagg gtgtattagt acgttgtatg ttaaacaattt ggggtgtgat      180
gcttttcatt agattgtcat ggattgtggg tcaagctgga ataggctctat cagtccttgt      240
aataatgatg g                                     251

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<210> 24
<211> 421
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

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<400> 24
caggtctttc ccaggtgttg actccagctc cagcttcagc tccagctcca ggtcgggctc      60
cagctccagc cgcagcttar gcagcgggag gttctgtgtc ccagttgttt tccaatttca      120
ccggctcccg tggatgamcg ygggacctgy caswgctcct gktycctgc yagsacacca      180
cnytttyccg tggacacrar kggaacckct tgggaattcac agctyatgtt ctttctcara      240
agtttgagaa agaactttct aaagtgaggg aatatgtcca attaattagt gtgtatgaaa      300
agaaactgtt aaacctaact gtccgaattg acatcatgga raaaggatac catttcttac      360
actgaactgg acttcgagct gatcaaggta gaagtgaagg agatggaaaa actggtcata      420
c                                     421

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<210> 25
<211> 381
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

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```

<400> 25
gaactttttg tttctttatt ttcaatattt gtottattaa tatttttctt attttataat      60
gcaattacaa caatttagga nacaaaacaa tataaacaaa agaatgttaa atagtttttt      120
ttaaaaaata gcttggtgct tgcaanaaag tocatataat cttattcccc cccaaatata      180
attttatact ttgcactaaa ccaaaatagc ttatggaaaa ttagtattaa atagctaaac      240
acagaaaacc tacagctata aataacataa aatacagttt aactttaatg ngatgcttaa      300
acaaagcaaa ctatgatgca atatgaatca acttcattaa ttggacaagt ccagnngagg      360
cacaaattag ataagcacta a                                     381

```

```

<210> 26
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 26
ggaaaaagga ctggcctctc tgaagagtga gatgagggaa gtggaaggag agctggaaaag      60

```



gaaggagctg	gagtttgaca	cgaatatgga	tgcagtagag	atggtgatta	cagaagccca	120
gaagggtgat	accagaagcc	aagaacgctg	gggtttacaat	ccaagacaca	ctcaacacat	180
tagacgggct	cctgcattct	gatggaccaa	cctttttcang	tggttaagatt	gaagangggg	240
cctgggctta	cctgggaagc	aaaaactttt	cccganccaa	ggaacccagg	attcaaccan	300
gcnacttgc	ggccaaggaa	ggcanaactn	ggaanaaaag	gccccttaag	caaaagggnc	360
accttcattt	gctnggaaan	cagcctttan	ttggaatctt	g		401

<210> 27

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 27

aattgcaact	ggacttttat	tgggcagtta	cnacaacnaa	tgttttcana	aaaatatttg	60
gaaaaaatat	accacttcat	agctaagtct	tacagagaan	aggatttgct	aataaaactt	120
aagttttgaa	aattaagatg	cnggtanagc	ttctgaacta	atgcccacag	ctccaaggaa	180
nacatgtcct	atttagttat	tcaaatacca	gttgagggca	ttgtgattaa	gcaaacaata	240
tatttgttan	aactttgntt	ttaaattact	gntncttgac	attacttata	aaggagnctc	300
taactttcga	tttctaaaac	tatgtaatac	aaaagtatan	ntttcccat	tttgataaaa	360
gggcnanga	tactgantag	gaa				383

<210> 28

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 28

ggtcgcgttt	cccttggtc	acagtctgcc	attatttgca	tttttaaagt	aagaaaagtt	60
taacgtggat	ggatggacag	tttacaatcc	agtggagaa	tacaggaggc	agggcttgcc	120
caatcaccat	tggaataaa	cttttattaa	taagtgtat	gagctctgag	acacttacct	180
tgctcttttg	gtggttcctg	atcgtgcctc	anatgatgac	ctccggagag	ttgcaacttt	240
taggtcccg	aatcgaattc	cagtgtgtgc	atggattcat	ccagaaaata	agacggtcat	300
tgtgcgttgc	agtcagcctc	ttgtcggtat	gagtgggaaa	cgaaataaag	atgatgagaa	360
atatctcgat	gttatcaggg	agactaataa	acaaatttct	a		401

<210> 29

<211> 401

<212> DNA

<213> Homo sapien

<400> 29

atatgagttt	gccatctcca	tggtatgcat	ttcaatgcct	tcagggtaat	cattctctcc	60
ccaaagactg	cccacggggt	catcactcct	gtgacgaaat	gagggctgga	ttgaagatgt	120
tctgctgagc	acccccctgg	tcatctttgg	ggtctcagaa	gagccataat	catgaccatt	180
ctcagcatct	gaataatcag	gttctctcca	agtgtctggc	aagttctgat	tgtcctcagc	240

actgggatag	tctggctccc	caaaaaaggg	tggagagtta	ggttgaatgt	cagcgcttgg	300
ataatcaggc	tttcccagag	agtctgcgta	tggattgatt	ctaaaacttg	tatgttccag	360
attctttctg	gactctggat	ggttcaaatt	ggctctgggt	c		401

<210> 30  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 30							
cctgaactat	ttattaa	aaaaa	catgaccact	cttggctatt	gaagatgctg	cctgtatttg	60
agagactgcc	atacataa	ta	tatgacttcc	tagggatctg	aaatccataa	actaagagaa	120
actgtgtata	gcttacctga	acaggaatcc	ttactgatat	ttatagaaca	gttgatttcc		180
cccatcccca	gtttatggat	atgctgcttt	aaacttggaa	gggggagaca	ggaagtttta		240
attgttctga	ctaaacttag	gagttgagct	aggagtgcgt	tcattggtttc	ttcactaaca		300
gaggaattat	gctttgcact	acgtccctcc	aagtgaagac	agactgtttt	agacagactt		360
tttaaaatgg	tgcctacca	ttgacacatg	cagaaattgg	t			401

<210> 31  
 <211> 297  
 <212> DNA  
 <213> Homo sapien

<400> 31						
acctccatta	atgccagtg	ttcctcctct	gatgccagga	atgccaccag	ttatgccagg	60
catgccacct	ggattgcac	atcagagaaa	atacaccacg	tcattttgcg	gtgaaaacat	120
aatgatgccca	atgggtggaa	tgatgccacc	tggaccagga	ataccacctc	tgatgcctgg	180
aatgccacca	ggtatgcccc	cacctgttcc	acgtcctgga	attcctccaa	tgactcaagc	240
acaggctggt	tcagcgccag	gtattcttaa	tagaccacct	gcaccaacag	caactgt	297

<210> 32  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 32						
caaaccttga	gccaaaaag	acacaaagga	ctctcgaccc	aaactgcccc	agacctctc	60
cagaggttgg	ggtgaccaac	tcattctggac	tcagacatat	gaagaagctc	tatataaatc	120
caagacaagc	aacaaacct	tgatgattat	tcattcattg	ggtgagtgcc	cacacagtca	180
agctttaaag	aaagtgtttg	ctgaaaataa	agaaatccag	aaattggcag	agcagtttgt	240
cctcctcaat	ctggtttatg	aaacaactga	caaacacctt	tctcctgatg	gccagtatgt	300
ccccaggatt	atgtttgttg	acccatctct	gacagttaga	gcccgatata	actggaagat	360
attcaaaccg	tctctatgct	tacgaacctg	cagatacagc	t		401

<210> 33  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 33						
agcagaggga	caggaatcat	tgggccactg	ttcagacggg	agccacaccc	ttctccaatc	60
caagcctggc	cccagaagat	cacaaagagc	caaagaaact	ggcaggtgtc	cacgcgtccc	120
aggccagtga	gttggttgtc	acttactttt	tctgtgggga	agaaattcca	taccggagga	180
tgctgaaggc	tcagagcttg	accctggggc	actttaaaga	gcagctcagc	aaaaagggaa	240
attataggta	ttacttcaaa	aaagcaagcg	atgagtttgc	ctgtggagcg	gtgtttgagg	300

```

agatctggga ggatgagacg gtgctccga tgtatgaagg cgggattctg ggcaaagtgg 360
agcggatcga ttgagccctg gggctctggct ttgggtgaact g 401

```

```

<210> 34
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 34
aacaatggct atgaaggcat tgtcgttgca atcgacccca atgtgccaga agatgaaaca 60
ctcattcaac aaataaagga catggtgacc caggcatctc tgtatctgtt tgaagctaca 120
ggaaagcgat tttatttcaa aaatggtgcc attttgattc ctgaaacatg gaagacaaaag 180
gctgactatg tgagaccaaa acttgagacc tacaaaaatg ctgatgttct ggttgcttga 240
gtctactcct ccaggtaatg atgaacccta cactgagcag atggggcaac tgtggagaga 300
aggggtgaaa ggatcccacc tcaactcctga tttcattgca ggaaaaaagt tagcttgaat 360
atggaccaca aggtaagggc atttgtccat gaatggggct c 401

```

```

<210> 35
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (401)
<223> n = A,T,C or G

```

```

<400> 35
catttcttcc tactagactg ccccttgat ccactggcag aaatgatggc accaccttgt 60
cttcaggtgg tgctccttca ttattccaag gatgcagcat ctctatgggtg ccagggtatgg 120
gggtaaagcc tttggcgccc tttccgcaat ggcacatcag cagtaaaagt ggtaccaata 180
gcangaacag aaagggcaaa atcatgancg caattgctgc ggggtcccaag cccacatagg 240
aatcatgctg ngcttccctg canccgctgc catgcaagac actnacaaac tngngantgta 300
aggacctgct tttcaggaca actaaaaccc tgattgnctg aaatcaggaa ctgaatttca 360
cttctcccaa gctttttctc acttttggtgc aacancacac t 401

```

```

<210> 36
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 36
cctgctagaa tcaactgccgc tgtgctttcg tggaaatgac agttccttgt tttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180
ttgaagttcg ggtttttgtg ttaagttaat ctgtacatc tgtttgccat tgttacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgtctg 300
actttaaatc agtacagtac ctgtacctgc acggtcaccc gtcocgtgtg tcgccctata 360
ttgaggggctc aagctttccc ttgttttttg aaaggggttt a 401

```

```

<210> 37
<211> 401
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> n = A,T,C or G

<400> 37  
 cnnctntgna atggantnnt tgnctaaaaan ganttgatga tgatgaanat ccctangang 60  
 antaagcatg ganentgatc ntttntctnng cactccttta cgacacggaa acangnatca 120  
 ncatgatggt accaganacc ttatcacena cgcgcacnga nctgactnat tccaaagagt 180  
 tgnngttacg gncatccggt cattgctcgt gccattgct gcagggctga tntactggt 240  
 gcttattatg ntggccctga ggatgctcca caatgaatat aagcatgctg catgatcagc 300  
 ggcaacanat gctctgccgt ttgcactaca tctttcacgg acacnatntc gaanacgggc 360  
 acnttgcana gttagacttg gaatgcatgg ngccggncan n 401

<210> 38  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 38  
 aattggctca ctctctcaag gcaagcactg tctcaaggca gtctcaaggc agagatgaca 60  
 cagcaaaaaa cagaggggga gaaaaaagtc tattattggc ttgtgattta caaaagccaa 120  
 agtccttttag ataaaaggcc aggagtctga ccaacataga taccaaatcc aggagaacac 180  
 agaccagcga taagagggac gcttccccat gaccagacc agcctaaagc ccctgtgggg 240  
 gcagccagtg gggagctgtc agaccttgga catggtggtc ttgagaatg ggtctgccct 300  
 tctctccctg accagttggg atagacacct gactggaatc cttgacactg gcaggtgttt 360  
 ctatgaacag agaggactgt gcctgtcttc ctgaatccca a 401

<210> 39  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> n = A,T,C or G

<400> 39  
 tctggtangg agcaattcta ttatttggca ttgcatggct gggttgaatt aaaacagggg 60  
 gtgagaacag gtgagtctag aagtccaact ctgaaaagga ccactgtaca ttgaaacaca 120  
 cggctgtgtt aaagatgctg ctaatgtcag tcaactgggtg cactaaagga tctcttattt 180  
 tatgtaaaac gttgggaatg acaagatana actgatactc tggtaagtta ccctctgaag 240  
 ctacttcttg tgaaatacta atgacagcat catcctgcc aagcgaagag gcaggcataa 300  
 gcaaggacaa attaaaaggg ggtaagagcc ttatcatgat gaggagtctt gttttgacat 360  
 cttgggaaaa gctgtccata gtgtgaagtc gtcaatttct c 401

<210> 40  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 40  
 tctggtcacc caactcttgt ggaagagggg aattgagatc gagtactgaa tatctggcag 60  
 agaggctgga atccttcagc cccagagccc agggaccact ccagtagatg cagagagggg 120

```

cctgcccagg ggtcagggca gtgggtatca ctggtgacat caagaatata agggctgggg 180
aggcatcttt gtttcctggg gccctcctca aagttgctga cactttgggg acgggaaggg 240
gtagaagtag ggctgctcct tttggagctg gaggggaatag acctggagac agagttgagg 300
cagtcgggct gtccaggttc taagcatcac agcttctgca ctgggctctg aggagattct 360
cagccagagg atcccagcct cctcctccct caaatgtcaa g 401

```

```

<210> 41
<211> 401
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

```

```

<400> 41
ctggactaaa aatgtccact atgggggtgca ctctacagtt tttgaaatgc taggaggcag 60
aaggggcaga gagtaaaaaa catgacctgg tagaaggaag agaggcaaag gaaactaggt 120
ggggaggatc aattagagag gaggcacctg ggatccacct tcttccttan gtcccctcct 180
ccatcagcaa aggagcactt ctctaatacat gccctcccga agactggctg ggagaagggtt 240
taaaaaacaaa aaatccagga gtaagagcct taggtcagtt tgaaattgga gacaaaactgt 300
ctggcaaagg gtgcganagg gagcttgtgc tcangagtcc agcccgtcca gcctcgggggt 360
gtangtttct gaagtgtgcc attggggcct caccttctct g 401

```

```

<210> 42
<211> 310
<212> DNA
<213> Homo sapien

```

```

<400> 42
ggttcgacaa atccccaaaa atggcaaatt aagccctgtg acaaaataag ttattggatc 60
atacagaaat agcccaaatac tggaaatttt gaattaaaat tgtaatcctg taaaacaagt 120
tttggggtga atggatttct ttaataccaa taatattttt aattcccacc acagatggat 180
ttgctgaata tgctaatagt gtgaatgaga aaacaatttt ggggtaggta taccacaaag 240
taatctgatg acaaaataaa ccacagactg atgtcaaata gacaaaaaac tgaaaaatatg 300
ctgtgagaaa 310

```

```

<210> 43
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 43
aggtcactta cacttgtgac cagtgtgggg cagagacctc ccagccgatc cagtctccca 60
ctttcatgcc tctgatcatg tgcccaagcc aggagtgcc aaccaaccgc tcaggagggc 120
ggctgtatct gcagacacgg ggctccagat tcatcaaatt ccaggagatg aagatgcaag 180
aacatagtga tcagggtgct gtgggaaata tccctcgtag tatcacgggtg ctggtagaag 240
gagagaacac aaggattgcc cagcctggag accacgtcag cgctactggg attttcttgc 300
caatcctgcg cactgggttc cgacaggtgg tacagggttt actctcagaa acctacctgg 360
aagcccatcg gattgtgaag atgaacaaga gtgaggatga t 401

```

```

<210> 44
<211> 401
<212> DNA

```

<213> Homo sapien

<400> 44

atccctgtaa	gtctattaaa	tgtaaataat	acatacttta	caactttctct	tagtcggccc	60
ttggcagatt	aaatctttgc	aaaattccat	atgtgctatt	gaaaaatgaa	ataaaacctc	120
agatgtctga	attcttattt	caaatacagt	tatataatta	ttttaaatta	caatatacaa	180
tttctgttaa	atacaactgt	taagggattc	tgagaacaat	tataagatta	taataatata	240
tacaaactaa	cttctgaaat	gacatgggtt	gtttccttcc	cacctccta	ccctctcaaa	300
gagtttttgc	atttgcgtgt	cctgggttgc	aaaggcaaaa	gaaaatctaa	aaatagtcgt	360
tgtgtgtcca	cgacatgctc	gtctctttga	gaatctcaaa	c		401

<210> 45

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 45

gtgcctgctg	cctggcagcc	tggeccctgcc	gotgcctcag	gaggcggggag	gcatgagtga	60
gctacagtgg	gaacaggctc	aggactatct	caagagattt	tatctctatg	actcagaaac	120
aaaaaatgcc	aacagtttag	aagccaaact	caaggagatg	caaaaaattc	tttggcctac	180
ctatactgga	atggtaaact	cccgcgtcat	anaaataatg	caanaagccc	agatgtggag	240
tgccagatgt	tgcaagaatac	tcactatttc	caaatagcc	aaaatggact	tccaaagtgg	300
tcacctacag	gatcgatca	tatactcgag	acttaccgca	tattacagtg	gatcgattag	360
tgtcaaaggc	tttaaactatg	tggggcaaaag	agatccccct	g		401

<210> 46

<211> 401

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 46

gtcagaattg	tctttctgaa	aggaagcact	cggaatcctt	ccgaactttc	caagtccatc	60
catgattcan	agatactgcc	ttctctctct	ctgggatttt	atgtgtttct	gatagtgaat	120
tgttgatgta	tttgctactt	tgcttctttt	ctctttcaag	acttgatcat	tttatatgct	180
gnttggagaa	aaaaagaact	tttggtagca	aggagggttt	aagaaatgat	tttggatttt	240
ctgctgcgga	atttctcggc	acctacctgt	agtatggggc	acttggtttg	gttgcagagt	300
aagaaggtyg	aagaatgagc	tgtacttggt	taagcagttg	aaaccttttt	tgagcaggat	360
ctgtaaaagc	ataattgaat	ttgtttcacc	cccgtggatt	c		401

<210> 47

<211> 401

<212> DNA

<213> Homo sapien

<400> 47

```

ggctctgcagc aatgcacttc aaccatacat actgottcca ctagetaata ccaaatgcag      60
gttctcagat ccagacaaat ggaggaaaag aacatttatg cttccgtttc agaaagccaa      120
gtcgtagttt tggcccttcc tttctctaaa gtttattccc aaaaacaggt agcattcctg      180
attgggcaga gaagaggata ttttcagccc acatctgctg caggatgtc attttctccc      240
atcttcactg tgactagtaa agatctcacc acttctcttt ggaatttcca actttgcttg      300
tgattgaatg tcacttcgtg aatttgtatt atgtcagatc acttggcatt gctcttccat      360
atgcatcaag ttgccaggca ctaaacccaa tgttcatgaa c                                401

```

```

<210> 48
<211> 430
<212> DNA
<213> Homo sapien

```

```

<400> 48
acataacttg taaacttttt ctgcttgggg gctgtaacag acagaagagt aaagactaca      60
aggattttct gaagatgctt caatgaaaat catcatttcc tctttagtca tcccaagtct      120
tggtttgaaa aacttgggca tggacttata cagaccttga accaccactg acttatcatt      180
gggtggcaga ccttgaaacc aagctctctg tgttacttct gaaagtgcac caattctgat      240
ttggctaaga acagaagaca aatactggga tcgtgattct gtgttatact ctagccacag      300
catagcagct tctcgaacgg tttcttcctt ttctacattt aaattgtcac tactgagaat      360
atctatcagt aggtcatgtg acagacctgc cccgggggcg gcccgctcga tgcttgccga      420
atatcatggt                                     430

```

```

<210> 49
<211> 57
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (57)
<223> n = A,T,C or G

```

```

<400> 49
ggtattaaca atatcangca ctcatcttcc cctctttatg aaanggatna attttta      57

```

```

<210> 50
<211> 327
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (327)
<223> n = A,T,C or G

```

```

<400> 50
gatggnggtn tccacaagan tnaangtnen tattaantan nncttgtaga nccacttnna      60
ttaattgnnn tatgnntgnc cttctgggtg ntgtngaagc ttcatatnnt ntttggacat      120
cattacacgt cttagctctt tnaagnacaa ctttaatgct atatgaattt tgccattttt      180
gctaacactg gtatgctccn ngcatccacc atnccacntg gaattattta ttncnttcat      240
attaatnttt tgtttaccaa atctnacttg acccgaacga aactttctgn gtattttang      300
gccccnccat tcttactttt caagcct                                     327

```

```

<210> 51

```

<211> 236  
 <212> DNA  
 <213> Homo sapien

<400> 51  
 cgtctcgaag aagcgctgca ggccgatgat ggactgcacg tctgccttgt cctcagttaa 60  
 cttgttgaat tgcttgaaca tgccggccac atcctgggca aactcctgtg gggagctgta 120  
 gggaggtgac aacttctcct ggaggcgggc acggatcagg gtcagatcca ggtgcccacc 180  
 gggctggtcc agggagaagg tggagtcgta gccagacctg cccgggcggc cgctcg 236

<210> 52  
 <211> 291  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(291)  
 <223> n = A,T,C or G

<400> 52  
 ctcacatcct gggtcgggct gtagagctgc accatgggtgc tgagcgcccc ctccagctcc 60  
 ttgtagatgt aaaggacggc gaaggagctg tagtctgtgt ccacgatgcg cagtcacagg 120  
 tagcccaagg ccgggactct gaagttgtcc ctccggagccc accttcangt actcgggcat 180  
 ccacctggtt acagccnttc gncctcgga actccatntg gactttacag gccgccctcc 240  
 tctgtgggccc tgatggncct tgcaggacat nggaacacgg gagctcnctt t 291

<210> 53  
 <211> 95  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(95)  
 <223> n = A,T,C or G

<400> 53  
 gtctgtgcag tttctgacac ttgttgttga acatggntaa atacaatggg tatcgctgan 60  
 cactaagttg tanaanttaa caaatgtgct gnttg 95

<210> 54  
 <211> 66  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(66)  
 <223> n = A,T,C or G

<400> 54  
 cctnaatnat ntnaatggta tcaatnnccc tgaangangg gancggngga agccggnttt 60  
 gtccgg 66



<210> 55  
 <211> 265  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(265)  
 <223> n = A,T,C or G

<400> 55  
 atctttcttc tcagtcctt ggcctgttg agtctatctg gtaacactgg agctgactcc 60  
 ctgggaagag aggccaaatg ttacaatgaa cttaatggat gcaccaagat atatgaccct 120  
 gtctgtggga ctgatggaaa tacttatccc aatgaatgcc gtgttatgtt ttgaaaatc 180  
 ggaaacgcc gacttctatc ctcattcaaa aatctgggcc ttctgaaaaa ccagggtttt 240  
 naaaatccca ttenggtcnc cggcg 265

<210> 56  
 <211> 420  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(420)  
 <223> n = A,T,C or G

<400> 56  
 gagcggccgc cggggcaggt cctcgcggtg acctgatggg atttcaaaac cttggttctc 60  
 agcaaggccc agatttttga atgangatag aagtctggcg tttccgattt tcaaaacata 120  
 acacgcattc attgggataa gtatttccat cagtccaca gaenggtca tatatcttgg 180  
 gtgcatccat taagttcntt tgtaacatt tgggcctctc tttcccangg gaattcagct 240  
 cccagtgtt taccaanatt naactccacc ggggccaaag gcncttgaaa aaaaaanaa 300  
 ttcttgttt accttccttg ggcttnaagt tctggcgctc aaaagttcaa ttgaaaact 360  
 gcaccgcact taccacgtct cttcnagaan cctgggggaca cctcggccgc gaccacgcta 420

<210> 57  
 <211> 170  
 <212> DNA  
 <213> Homo sapien

<400> 57  
 gaagcggagt tgcagcgctt ggtggccgcc gagcagcaga aggcgcagtt tactgcacag 60  
 gtgcatcact tcatggagtt atgttgggat aaatgtgttg agaagccagg gaatcgcta 120  
 gactctcgca ctgaaaattg tctctccaga cctcgccgcg gaccacgcta 170

<210> 58  
 <211> 193  
 <212> DNA  
 <213> Homo sapien

<400> 58  
 attttcagtg cgagagtcta ggcgattccc tggcttctcc acacatttat cccaacataa 60  
 ctccatgaag tgatgcacct gtgcagtaaa ctgcgccttc tgctgctcgg cggccaccag 120  
 gcgctgcaac tccgcttcat cggcttcgcc cagctccgcc attgttcgcc acctgcccgg 180

gcggccgctc gaa

193

<210> 59  
 <211> 229  
 <212> DNA  
 <213> Homo sapien

<400> 59  
 cgcaactctc gagcatttat atacaatagc aaatcatcca gtgtgttgta cagtctataa 60  
 tactccaaca gtctcccatc tgtattcaat ggcgccaccc aatacagtc tttgtttgga 120  
 tgctggggag agtaatccct accccaagca ccatatagat aagaaaaccc tctccagttg 180  
 agctgaacca cagacggttt gctgatacct gcccgggcgg ccgctcgaa 229

<210> 60  
 <211> 340  
 <212> DNA  
 <213> Homo sapien

<400> 60  
 tcgagcggcc gcccgggcag gtcctctaaa gatcaaaaaca cccctgtcgt ccaccctcct 60  
 cccactccag ggaagctgtg gtcattggtg tgtggtgaac atcagcaaac cgtctgtggt 120  
 tcagctcaac tggagagggt tttcttatct atatggtgct tggggtaggg attactctcc 180  
 ccagcatcca aacaaaggac tgtattgggt ggcgccattg aatacagatg ggaaactgtt 240  
 ggagtattat aaactggtac aacacactgg atgatttgct attgtatata aatgctcgag 300  
 aattgcggat cacctatgga ctcggccgc gaccacgctg 340

<210> 61  
 <211> 179  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(179)  
 <223> n = A,T,C or G

<400> 61  
 tttttgtgac ggacgnttgg agtacatgtc ccaggatcac atccagcagc tagagtggct 60  
 gggacaagct ggcggnggcc aagcactgtt gaaacnatag gggctctgggn gnactcgggt 120  
 tnaagtgggt ggtccgantn ttnataacct tgtcngaacc nancatctcg gttgncang 179

<210> 62  
 <211> 78  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(78)  
 <223> n = A,T,C or G

<400> 62  
 agggcggttcg taacgggaat gccgaagcgt gggaaaaagg gagcgggtggc nggaagacgg 60  
 ggatgagctt angacaga 78

<210> 63  
 <211> 410  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(410)  
 <223> n = A,T,C or G

<400> 63  
 cccagttact tggggaggct gaggcagggg gaatcctttg aacccggngg gtgggaggtt 60  
 gcagtgagcc cgagatagca ccattgcact tccancatgg ggtggacaga gtgagactct 120  
 atctcaaaaa aaaagaaaag aaaaggaaaag agattagatt aagattaagt acctacttcc 180  
 tntcccatTT caagtcctga aaatagagga tcagaaatgt tgaggaattc tttaggatag 240  
 aaagggagat gggattttac ttatggggaa agaccgcaa taaagactgn aacttaacca 300  
 cattccccaa gtgnaagggtg ttaccaaga agtaggaacc cttttggctn ttaccttacc 360  
 ttcngaaaa aaacttattn cttaaaatgg aaacccttaa agcccgggca 410

<210> 64  
 <211> 199  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(199)  
 <223> n = A,T,C or G

<400> 64  
 cttgttctca aaaaggtcaa agggagcccg acgaggaata aatagcaatg ccctgaattc 60  
 caactgacct tctacagaaa agtgcttgac tgccaagtgg tcttcccagt cattagttag 120  
 gctctttag aattctccat actcctcttg ggngangnca tnagggttn nggccc aaat 180  
 aggntgggccc tngttaagt 199

<210> 65  
 <211> 125  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(125)  
 <223> n = A,T,C or G

<400> 65  
 agcggtagag ttctgtcctg gcatcatcat tcattgtagt atgggtcaata ggtgccatga 60  
 aactcagtag cttgctaagg acatgaaacc gaagtttctt gcctttgctg gcctngtngn 120  
 gggta 125

<210> 66  
 <211> 204  
 <212> DNA  
 <213> Homo sapien

<400> 66  
 attcagaatt ctggcatcgg tattttctata aagtccatca gttagagcag gagcaggccc 60  
 ggagggacgc cctgaagcag cgggcggaac agagcatctc tgaagagccc ggctgggagg 120  
 aggaggaaga ggagctcatg ggcatttcac ccatactctcc aaaagaggca aaggttcctg 180  
 tggacctcgg ccgcgaccac gcta 204

<210> 67  
 <211> 383  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(383)  
 <223> n = A,T,C or G

<400> 67  
 tcagggcctc caggcagcca gttttgcagg anattcagca cctagngtct tcctgcctna 60  
 cgctcccaag aacctgctcc tgcaggggga acatcagaac tcgtccttga tgtcaaaatg 120  
 gggctgggtct tnaggcttga agtccaggtt agggctgcca tcctcattga gaattctccg 180  
 ggacgtgtan ccgacgatgg ggtatttggc tttgtacact ttggtgaaaa cctnatccag 240  
 ggctccagtc tccttggccg tganaccctg antgtcatgg gtgaggtctg caggatccaa 300  
 ggacatcttg gctacccttc tagtggagtc cttccccgtc aaggcattgt aaggggctcc 360  
 tcgtccataa aactcctttt cgg 383

<210> 68  
 <211> 99  
 <212> DNA  
 <213> Homo sapien

<400> 68  
 tcacatctcc tttttttttt aactttttca aatttttgtg ttaaatagaa ggctaaaggg 60  
 ttagatttaa gtttctgcta cattgacctt atttaccta 99

<210> 69  
 <211> 37  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(37)  
 <223> n = A,T,C or G

<400> 69  
 gagaaggacn tacggnctg ntantanang aatctcc 37

<210> 70  
 <211> 222  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(222)

<223> n = A,T,C or G

<400> 70

gtgggtcatt	tttgctgtca	ccagcaacgt	tgccacgacg	aacatccttg	acagacacat	60
tcttgacatt	gaagcccaca	ttgtccccag	gaagagcttc	actcaaagct	tcatggcgca	120
tttcgacaga	ttttacttcc	gttgtaacgt	tgactggagc	aaaggtgacc	accataccgg	180
gtttgagaac	accantcac	ctgccccggg	cggccgctcg	aa		222

<210> 71

<211> 428

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(428)

<223> n = A,T,C or G

<400> 71

caggagtatt	ttgtagaaaa	gccagaagag	cattagtaga	tgtatggaaa	tatacggtag	60
ggcacacgct	gacagtactt	ttcccaagcc	acgccgtatt	tcttcttaca	gtggtactcg	120
tcacgagctt	ctcgggtggac	aagcaacatg	gtgaaataaa	ttatgtagaa	ataaggcaga	180
atgtggttaa	aaccacatgg	gagggaccac	gccaaggcca	tgatgagatc	acccaagtaa	240
ttgggggtgc	gaacaaagcc	ccaccatcca	gaaactagaa	naatttttcc	cgttgaaata	300
tgaatggntt	ttaaattgtc	aagctttgga	tcactgggaa	ttttcccgaa	tgcttttttc	360
tganaattgc	accttnggaa	gantccttac	cccaagnttc	agaccattat	ttnaaaagcn	420
ttggaact						428

<210> 72

<211> 264

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(264)

<223> n = A,T,C or G

<400> 72

gaataaagag	cttactggaa	tccagcaggg	ttttctgccc	aaggatttgc	aagctgaagc	60
tctctgcaaa	cttgatagga	gagtaaaaag	ccacaataga	gcagtttatg	aagatcttgg	120
aggagattga	cacacttgat	cctgccagaa	aatttcaaag	acagtagatt	gaaaaggaaa	180
ggcttttgta	aaaaaagggt	caggcattcc	tagccgantg	tgacacagtg	gagcanaaca	240
tctgcangag	actgancggc	tgca				264

<210> 73

<211> 442

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(442)

<223> n = A,T,C or G

```

<400> 73
ggcgaatccg gcggttatca gagccatcag aaccgccacc atgacggtgg gcaagagcag      60
caagatgctg cagcatattg attacaggat gaggtgcacg ctgcaggacg gccggatctt      120
cattggcacc ttcaaggctt ttgacaagca catgaatttg atcctctgtg actgtgatga      180
gttcagaaaag atcaagccaa agaacttcaa acaagcagaa agggaagaga agcgagtcct      240
cggctctggng ctgctgccaa gggagaatct ggtctcaatg acngtagaag gaccttcttc      300
caaagatact ggnattgctc gagttccact tgctggaact tcccggggcc caaggatcgc      360
aaggcttctg gcaaaagaaa tccanacttn ggccgggacc acctaanca attcacacac      420
tggcgcccg actagtggat cc                                           442

```

```

<210> 74
<211> 337
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (337)
<223> n = A,T,C or G

```

```

<400> 74
ggtagcagcg tctccagagc ctgatctggg gtcccagata cccaggcagc agcagccctg      60
gaggtaaaagg gcaagctccc caatgtgagg ggagaoccca ttccctggtca gccaggcttt      120
cagaggagat agcaggctga gggagccaac gaagaagaga ctgccancag ggggaaggact      180
gtcccgccaa ggacagaact gattcagggg ggtcaatgct cctctagaga agagccacac      240
agaactgggg ggtccaggaa ccatgaanct tggctgtggt ctaaggagcc aggaatctgg      300
acagtgttct gggtcatacc aggattctgg aattgta                               337

```

```

<210> 75
<211> 588
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (588)
<223> n = A,T,C or G

```

```

<400> 75
catgatgagt tctgagctac ggaggaaccc tcatttcctc aaaagtaatt tattttttaca      60
gcttctgggt tcacatgaaa ttgtttgccg tactgagact gttactacaa acttttttaag      120
acatgaaaag gcgtaatgaa aaccatcccg tcccattcc tctcctctc tgagggactg      180
gagggaaagcc gtgcttctga ggaacaactc taattagtag acttggtgtt gtagattttac      240
actttgtatt atgtattaac atggcgtggt tatttttgta tttttctctg gttggggagta      300
tgatatgaag gatcaagatc ctcaactcac acatgtagac aaacattagc tctttactct      360
ttctcaaccc cttttatgat tttaataatt ctcaactaac taattttgta agcctgagat      420
caataagaaa tggtcaggag agangaaaga aaaaaaatat atgttcccca tttatatatta      480
gagagagacc cttantcttg cctgcaaaaa gtccaccttt catagtagta ngggccacat      540
attacattca gttgctatag gncagcactg aactgcatta cctgggca                               588

```

```

<210> 76
<211> 196
<212> DNA
<213> Homo sapien

```

```

<400> 76
gcggtatcac agcctggccc ccatgtacta tgggggggcc caggctgcc a tctgtgtcta      60
tgacatcacc aacacagata cttttgcacg ggccaagaac tgggtgaagg agctacagag      120
gcaggccagc cccaacatcg tcattgcact cgcgggtaac aaggcagacc tggacctgcc      180
cgggcgggcc ctcgaa                                     196

```

```

<210> 77
<211> 458
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 77
agtagagatg gggtttcact gtgttaacca ggatggtctt gatctcctgg cctcgtgatc      60
tgcccgcttc ggcctcccaa agtgttggga ttacaggcgt gaaccaccgc acccggccag      120
aaatgttagt ttttccctat tctctctcct ttttctatt atatacttgg tcaaccagac      180
agccatccta ccccanaatg gtaatgcctc ttcattcctc atatgaggga ataaaagaga      240
aaaaagcttt tggaaaacat ccacttatct aatcatccca aatatgtaat caaaagtata      300
caactcatgt gaagaataca ctggtaaaaa gttantatag gccaaaggat cttgaattcc      360
tatatagaaa gctggtaaat gcccttttgg ctggaaccgc catcttcenn taattcnccc      420
aaaatgacca aacacaaagg gnaagangan aagccccc                                     458

```

```

<210> 78
<211> 464
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

```

```

<400> 78
tccgcaaatt tctgcccggc aaggteccag cttttgaggg tgatgatgga ttctgtgtgt      60
ttgagagcaa cgccattgcc tactatgtga gcaatgagga gctgccccga agtactccag      120
aggcagcagc ccagggtggt cagtgggtga gctttgctga ttccgatata gtgccccag      180
ccagtacctg ggtgttcccc accttgggca tcatgcacca caacaaacag gccactgaga      240
atgcaaagga ggaagtgagg cgaattctgg ggctgctgga tgcttacttg aagacgagga      300
cttttctggt gggcgaacga gtgacattgg ctgacatcac agttgtctgc accctgttgt      360
ggctctataa gcaggntcta gaaccttctt ttgcangac ctteggccgg accacgctta      420
acccaaattc cacacattg cnggccgtac taanggaatc ccac                                     464

```

```

<210> 79
<211> 380
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

```

<400> 79  
 ctgtatgacc agtttttcca tctccttcac ttctaccttg atcagctcga agtccagttc 60  
 agtgtaagaa atgggtatcct tctccatgat gtcaattcgg acagtttaggt ttaacagttt 120  
 cttttcatac acactaatta attggacata ttccctcact ttanaaagtt ctttctcaaa 180  
 cttctganaa aagaacatga actgtgaatt ccaagcgttc ccaactctgtc cacgggaaaa 240  
 ggtggtgtct ggcagggaaa cagaacactg gcagggtccac ggatcatccac ggagccggtg 300  
 aaattgggaa aacaactggg acacagaacc tccgctgcct aagctgcggn tgggagcttg 360  
 gaacccgacc tgggaactgga 380

<210> 80  
 <211> 360  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(360)  
 <223> n = A,T,C or G

<400> 80  
 tcgagcggcc gcccgggcag gtcctcagag agctgtttgt tncgcttctt caaaaactcc 60  
 tattctccac ttctgctaaa ggactggatg acatcaattg tgatagcaat atttgtgggt 120  
 gttctgtcan ncancatcgc actcctgaac aaagtagatg ttggattgga tcagtcctctt 180  
 tccaccaga tgactcctan atgggtgatn atttcaaata catcantcag tacctgcatg 240  
 cngggtccgc ctgtgtncct tgtcctgcag gangggcnct actacacttc ttccnagggg 300  
 canaacatgg tgtgcngcgg ccatgggctg gcaacantga ttcnctgctg caccanatan 360

<210> 81  
 <211> 440  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(440)  
 <223> n = A,T,C or G

<400> 81  
 acgtggtccg gcgagtctga cctgcagata tgaactcctt gggaaaccta cattctgcct 60  
 cagacatact gggggcaaat ggcttttaaaa gtctggctca gggagccaag attacagaaa 120  
 nccgttgagt chccatacat ggacactgac aaaggaactg aagatatcca aacaagccct 180  
 cctggtcccg ngcctgcata aagatcggga ncggaacggt accngacgtc tgtggtcagg 240  
 ggttggtgaa aattggaaaa aaccagtcct gccacattg acagggaagc ctcaacggaa 300  
 attgaacaga tngtcttatc accagtctcc cctcctggat cntgtctcgg ctcnngggan 360  
 tcagtgatca gtcctttcag gtggaagaag caaagaagat caacaanaag cngatcctct 420  
 cacctgntac cagcatatgg 440

<210> 82  
 <211> 264  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature



<222> (1)...(264)

<223> n = A,T,C or G

<400> 82

agcgtggtcg	cggccgangt	cctgacattc	ctgccttctt	atattaatta	tacnaataaa	60
acaaaatagt	gttgaagtgt	tggagcggcg	aaaatttttg	gggggtggta	tggacagaga	120
atgggcgatn	ttctcanggc	tgcttcaagt	gggattgggg	cngcgtggga	tcatncagtg	180
gganagattn	cnctgaccgg	antctnttgg	tanggatnat	cttgtgggga	tgtgcaagag	240
ncattcgtct	cctgaatgan	tggt				264

<210> 83

<211> 410

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(410)

<223> n = A,T,C or G

<400> 83

ancgtggtcg	cggccgangt	ccacagttgt	gggagagcca	gccattgtgg	gggcagctcc	60
acaggtgaaga	ctcgtgtcct	gagcagcgca	catcatccag	gacaatgggt	cctgagccct	120
gaccaaaccg	ggcatttcct	ggggctgaca	tggcccagcc	acagcccant	tgctgcaga	180
cgaaattggc	atcattgggt	tcccagtant	catcacacac	ggtgccccag	gaacctccgg	240
tatangaact	ccactcggcc	tcnanacctg	tgcctccat	tcncagcct	cagggggcaa	300
actgggattc	agatccttct	gtgggtacag	gtgggtgat	cctgacaggc	caactttctg	360
gcctgagtgt	tgactgangc	tgggcagacc	tgcccggggc	gccgctcgaa		410

<210> 84

<211> 320

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(320)

<223> n = A,T,C or G

<400> 84

tcgaacggcc	gcccgggcag	gtctgcccc	ggtgtatcca	tttgccgccg	atctctatca	60
naaggagctg	gctaccctgc	nncgacgaan	tcctgaanat	aatctcacc	nccagatct	120
ctctgtcgca	atggagatgt	cgtcatcggt	ggncctgac	acagggcatt	ggactcagag	180
anangtnanc	acagtgtnga	agcgattgan	nnagttcagt	tgtgtgtctt	acccgatntt	240
ggaaggaagg	aaaacgtgtt	angacgtatc	tcgatgnant	tgaccaaanc	tgaangctnc	300
agggggcatc	gcaaaganan					320

<210> 85

<211> 218

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(218)

<223> n = A,T,C or G

<400> 85

tcgagcggcc	gcccgggcag	gtctgctgcc	cgtgctgggtg	ccattgcccc	atgtgaagtc	60
actgtgccag	cccagaacac	tgggtctcggg	cccgagaaga	ctcctttctc	caggctntan	120
gtatcaccac	taaaatctcc	aggggcacca	tnganatcct	gggtgtccgc	aatggttgcca	180
atgtctgtcc	gcnnattggc	tacccaactg	ttgcatca			218

<210> 86

<211> 283

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (283)

<223> n = A,T,C or G

<400> 86

tcgacttctt	gtgaagggtt	tgganaaata	tgtatcagtt	cgttttatatt	gggtattcaa	60
taatatcctt	ggtgataatg	ctgactccat	ggcttctgac	cccaaaaatt	gaccctgctg	120
ccactgggtg	tagccctgag	attgattttt	gtagccacga	ttgtttcctc	gtcctctgaa	180
gtntcgggtg	tanttccttc	tgtngggcat	tccctctgtg	tgtantttcc	tctgtttgan	240
taactaccac	ggccaggaaa	aacaggggca	cgaaggtatg	gat		283

<210> 87

<211> 179

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (179)

<223> n = A,T,C or G

<400> 87

agcgtgggtc	cggccgatgt	ctttctgtgt	aagtgcataa	cactccacat	acttgacatc	60
cttcangtca	cgggccagct	nttcagcant	ctctggagtg	ataggctact	gtntgttctn	120
ggcaagtgtc	tcaanaatac	aggggtcntc	tctgagatga	ntttcagtcc	cgaaccctc	179

<210> 88

<211> 512

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (512)

<223> n = A,T,C or G

<400> 88

tcgagcggcc	gcccgggcag	gtcctancan	agaatcacca	aatttatgga	gagttaacag	60
gggtttaaca	ggaangaagt	gccttttagta	agttctcaag	ccagangctg	gaggcagcag	120
ctaaatcaga	ggacaggatc	ctcagtgaag	gtgagccatt	cgggggtggca	tgtcactcca	180
ggaataagca	caacttanaa	acaaatgatt	tcgtangata	gcacagtgc	attggtgcac	240

ttgtgaacct	gaggccactg	tgtcaaaactg	tgcactgggt	gtgaataggg	aganccaaaa	300
attatgtcct	actgggtaat	gagctttcaa	tgggtctgat	cctctcacnc	tgaaagctct	360
gtagagcagc	tcagaaccac	aaccactccc	aacattgacc	cttctggggg	tactgtctgt	420
ggcaccacaca	ggaaggagct	ggagatcccc	attaggactg	tccaccacaca	cttgaagcca	480
caaaactgca	cctcggccgc	gaccaccgct	ta			512

<210> 89  
 <211> 358  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (358)  
 <223> n = A,T,C or G

tcgagcgggc	cgcccgggca	ggtctgccag	tccccatccc	agacattctt	tgcattctaag	60
ctgangtctg	aactgagtgg	ggtgggctgg	tgtttccatc	ctcacaaactc	cagtgaagccg	120
ggtgtggccg	tggcctgcgt	ctctctggcg	gttagtgatg	ttggcatcat	ccaccttttt	180
caaaaacaaaa	gcaactggact	gaagaanaat	ccnccctgt	ntccacccag	tccatggttt	240
ttaataaaaag	ggttatnnaa	gttgancaag	ncatcaccac	acacaancct	aagaacnttt	300
ttcatcnntc	cccaaaca	accncaccc	tgggaactcc	gggcgcgaac	cacgccta	358

<210> 90  
 <211> 250  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (250)  
 <223> n = A,T,C or G

cgagcggccg	cccgggcagg	tctggatggg	gagaaggact	ggaactgcgg	cttcccgtgg	60
cctgcacgca	caaggctccc	cacggccgcc	gaccttcttc	agattcgatc	gtatgtgtac	120
gcacnaagag	ccaaatattg	acattcacia	cttcgtggga	atnttaccac	anaagactgc	180
gaccccccca	tcaggcgana	gcctgagcat	agaagaacac	cgctgtgggc	ttggcactgt	240
gggncccatc						250

<210> 91  
 <211> 133  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (133)  
 <223> n = A,T,C or G

tcgagcggcc	gnccgggcag	gtcccgggtg	gttgtttgcc	gaaatgggca	agttcntnaa	60
ncctgggaag	gtggtgcntg	tnctggctgg	acgctactcc	ggacgcnaag	ctgtcntcgt	120
gangancatt	gat					133

<210> 92  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (232)  
 <223> n = A,T,C or G

<400> 92  
 agcgtggctg cggccgangt ctgtcacttt gcgggggtag cggccaattc cagccaccag 60  
 agcatggctg tagggcgat ctgaggtgcc atcatcaatg ttcttcacga tgacaagctt 120  
 tgcgtccgga gtagcgtcca gccaggacaa gcaccacett cccacgtntt cangaactng 180  
 cccatttcgg cataaccacc cgggacctgc cggggcggn cgtcgaaaaag cc 232

<210> 93  
 <211> 480  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (480)  
 <223> n = A,T,C or G

<400> 93  
 agcgtgggtc gcgcccgang tctgtangct caccggccag agaagaccac tgtgagcatt 60  
 ttgccgtata tcttgccctg ccatttggtc acttttttaa ctaaaatagg aacatccgac 120  
 acacaccgtt tgcacgtct tctcccttga tatttttaagc attttcccat gtcgtgagtt 180  
 tctcagaaac atgtttttta caattgtact atttagtcat ngtcatttta ctataattta 240  
 tctgaccatt tccctactgt taaaatactt aagacgggtt ctgatttttc cactatttaa 300  
 ataagtctgt gatgaatct tttaaaatct tctgatttct tacttttttc ccccttagat 360  
 gcctggaagt ggtattttga ggtgaaagag tttgttcatt ttgaanatat ttctgtctct 420  
 ctctcgacct gatgtgtana cgctcacttc cagtttagcag aaccacctta gtttgtgtct 480

<210> 94  
 <211> 472  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (472)  
 <223> n = A,T,C or G

<400> 94  
 tcgagcggn cggccggcag ggtctgatgt cantcacaac ttgaagggat gccaatgatg 60  
 taccaatccn atgtgaaatc tctcctctta tctcctatgc tgganaaggg attacaaagt 120  
 tatgtggcng ataannaatt ccatgcacct ctantcatcg atgagaatgg agttcatgan 180  
 ctggtgaacn atggtatctg aaccggatac cangttttgt ttgccacgat angantagct 240  
 tttatttttg atagaccaac tgtgaaccta ccacacgtct tggacnactg anntctaact 300  
 atccncaggg ttttattttg cttgttgaac tcttncagct nttgcaaact tcccaagatc 360  
 canatgactg antttcagat agcattttta tgattccan ctcattgaag gtcttatnta 420

tntcntttttt tccaagccaa ggagaccatt ggacctcggc cgcgaccacc tn

472

<210> 95  
 <211> 309  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(309)  
 <223> n = A,T,C or G

<400> 95  
 tcgagcggcc gcccgggcag agtgtcgagc cagcgctgcc gcgatgggtgt tgttgagagag 60  
 cgagcagttc ctgacgggaa tgaccagact tttccanaag tgccgggacgt cgggcancgt 120  
 ctatatcacc ttgaagaant atgacgggtcg aaccaaacc attccaaaga aangtactgt 180  
 ggangggcttt gancccgag acaacnagt tctgttaaga actaccgatn ggaaanaana 240  
 anatcagcac tgtgggtgag ctccnaggga agttaataan tttcggatgg gcttattcna 300  
 acctcctta 309

<210> 96  
 <211> 371  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(371)  
 <223> n = A,T,C or G

<400> 96  
 tcgagcggcc gcccgggcag gtccaccact cacctactcc cegtctctat agatttgcct 60  
 gttctgggca gttctcagca atggaatcct actgtgtatc tttttgtgac tggttcttta 120  
 actcagcatc acattttcaa ggttcaccca tgctgcagcc tggctccgta ctggtgacag 180  
 tacttcattt ctctctccct tttgttcaga ccaagggtct cctctgtccc caaggctaaa 240  
 gtgcagttgg tgtgatcatg gctcactgca gcctcaaact cctggactca aacagtcttc 300  
 ccatctcagc ctcccaaagt gctgatntta taagttgcaa gccctgcacc cagcctgtat 360  
 ctccagtttg t 371

<210> 97  
 <211> 430  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(430)  
 <223> n = A,T,C or G

<400> 97  
 tcganccggcc gcccgggcag gttntttttt tttntttttt nnnngntagt atttaaagan 60  
 atttattaaa tcatcttatc accaaaatgg aaacatnttc caactagaaa catgcnacca 120  
 tcatcttccc cagtcacgtc ncaangtcca atattttntct tgctctgtca gataaaaagt 180  
 tcnnattttt ataccactc ttactcccc ccaaaatatt aattcngtcc tncctaaaa 240  
 ttncnccggg taacaantta ccaaaatggc naaccaatta ttttaanaaa aagttgcncn 300

ttnaaaangg	aaactttntg	gcaanttanc	ctcttttccc	ttcccacccc	ccantttaag	360
gggaaaacaa	tggcactttg	ctcttgcttn	aacccaaaat	tgtcttccaa	aaactattaa	420
aatgttnaa						430

<210> 98  
 <211> 307  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(307)  
 <223> n = A,T,C or G

<400> 98						
tcnaacggcc	gccnngcnn	gtctngcngc	acctgtgcct	cancegtcga	tacctggtcg	60
attgggacan	ggaanacaat	ntggttttca	gggaggccac	anatttggag	aaacggatga	120
attctccttt	attccgaant	cagctccttg	gtctccgtag	anggtgatct	tgaaattctc	180
ctgttttgaa	aactttcttg	aanaaacctt	acctgctggt	tgtatttggg	ctcccactcg	240
gacaagtact	cgttatccnn	ggtactctta	atgtgcccac	gtnaactccc	cgggntggca	300
actggaa						307

<210> 99  
 <211> 207  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(207)  
 <223> n = A,T,C or G

<400> 99						
gtccnggacc	gatgttgca	aganntttct	tggtccanta	ggttcnaaaa	aatgataanc	60
naggntanc	acgtgaagat	ntntatanag	tcttantnaa	aacnctaga	tctgnatgac	120
gataantcga	anacngggg	aggggntgag	gngagggtgn	gtganggaag	anntgttgat	180
aaaagannna	gntgataaga	anngagc				207

<210> 100  
 <211> 200  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(200)  
 <223> n = A,T,C or G

<400> 100						
acntnnacta	gaantaacag	ncnttctang	aacactacca	tctgtnttca	catgaaatgc	60
cacacacata	naaactccaa	catcaatttc	attgcacaga	ctgactgtaa	ttaattttgt	120
cacaggaatc	tatggactga	atctaatgcn	nccccaaatg	ttgttngttt	gcaatntcaa	180
acatnmttat	tccancagat					200

<210> 101

<211> 51  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(51)  
 <223> n = A,T,C or G

<400> 101  
 tcgagcggcc gcccgggcag gtctgaccag tgganaaatg cccagttatt g 51

<210> 102  
 <211> 385  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(385)  
 <223> n = A,T,C or G

<400> 102  
 aacgtggtcg cggccgaagt ccatggtgct gggattaatc cactgtgacn gtgactctga 60  
 gttgagttgt ttttcaatct tctccaagcc tgtggactca tcctccacat ccttgggtag 120  
 taggatgaac atgctgaaga tgctnatttt gaaaaggaac tctatgaatc ttacaattga 180  
 atactgtcaa tgtttcccca tnacagaacg tggnccecca aggttccatc atctgcactg 240  
 ggtttgggtg ttctgtcttg gttgactctt gaaaagggac atttcttttt gttttcttga 300  
 attcanggaa attttcttca tccactttgc ccacaaaagt taggcagcat ttaaccccca 360  
 anggattttg ggtctgggtc cttcc 385

<210> 103  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(189)  
 <223> n = A,T,C or G

<400> 103  
 agcgtggtcg cggccgaagt ctgcagcctg ggactgaccg ggaagctctg attatttacc 60  
 caccacaggt angttgtgtt ctgaatctca agttcacagg ttaaggctac agcatcctca 120  
 tcctccacgg ggttggantt gttgctgggt atgaanggtt tgggggtggct ctgcataact 180  
 gttgatctc 189

<210> 104  
 <211> 181  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(181)

<223> n = A,T,C or G

<400> 104

tcgagcggcc gcccgggcag gtccaggtct ccaccaangc accaccgtgg gaagctggta	60
attgatgcc accttgaagc cmtggggca ccatccncca actggatgct gcgcttggtt	120
ttgatgggtg caatggcaca ttgactcttt tgggaaccac ttcaccacgg tacaacaggc	180
a	181

<210> 105

<211> 327

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(327)

<223> n = A,T,C or G

<400> 105

tcgagcggcc gcccgggcag gtcttctgtg gagtctgcgt gggcatcgtg ggcagtgggg	60
ctgccctggc cgatgctcan aaccccagcc tctttgtaaa gattctcatc gtgganatct	120
ttggcagcgc cattggcctc tttggggta caatcttcanacc tccanaatga	180
anatgggtga ctanataata tgtgtgggtn gggccgtgcc tcaactttat ttattgctgg	240
ttttcctggg acagaactcg ggccggaaca cgcttanccg aattccaaca cactggcggg	300
cgttactagt ggatccgagc tcggtac	327

<210> 106

<211> 268

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(268)

<223> n = A,T,C or G

<400> 106

agcgtggctg cggccgangt ctggcgtgtg ccacatcggc cccacctcgc ttacaaaac	60
agtcctgaac ttatctaat aaaattattg tacacnacat ttacattaga aaaaganagc	120
tgggtgtang aaaccgggcc tgggtgttccc ttttaagcgaa ngtggctcca cagttggggc	180
atcgtcgctt cctcnaagca aaaacgcaa tgaacccna agggggaaaa aggaatgaag	240
gaactgnccn gggangnccg ctccgaaa	268

<210> 107

<211> 353

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(353)

<223> n = A,T,C or G

<400> 107

tcgagcggcc gcccgggcag gtggccaggc catgttatgg gatctcaacg aaggcaaaca	60
-------------------------------------------------------------------	----



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cctttacacn ctagatgggtg gggacatcat caacgccctg tgettcagcc ctaaccgcta 120
ctggctgtgt gctgccgcag gccccagcat caagatctgg gatttanagg gaaagatcnt 180
tgtnnatgaa ctgaancnta aattatcagt tccannacca ngcaaaaacc acccngtgca 240
ctccctggcc tgggtctgctg atgggacctc gggcgcgcaac acgctnancc caattccanc 300
acactgggcy gncgttacta ntggatccga actcnggtac caancttggc gtt 353

```

```

<210> 108
<211> 360
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (360)
<223> n = A,T,C or G

```

```

<400> 108
agcgtggctcg cggccgaagt cctggcctca catgacctg ctccagcaac ttgaacagga 60
naagcagcag ctacatcctt aaggctccga aagtttagatg aagatttggg tctgcattg 120
ncctgcctcc cacctatctc tccnaatta taaacagcct ccttgggaag cagcagaatt 180
taaaaactct ccnctgccc tnttgaacta cacaccnacc gggaaaacct ttttcanaat 240
ggcacaaaaa tncnaggga tgcatttcca tgaangaana aactgggtta cccaaaatta 300
ttgggttggg gaaatccngg gggggttttn aaaaaagggc aanccnccaa anaaaaaac 360

```

```

<210> 109
<211> 101
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (101)
<223> n = A,T,C or G

```

```

<400> 109
atcgtggctcn cggccgaagt cctgtgtcct ggatgggccc tgtgcancga atccgttggc 60
gactcctaac taccaanaaa angactctcg gaagaaattt c 101

```

```

<210> 110
<211> 300
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (300)
<223> n = A,T,C or G

```

```

<400> 110
ccanggaaac ccagagtcac atgagatagg gtggccttctg ggacaggggg tcagangaat 60
ggtacatgga tctcagcccc tgatggacac ggaacagggtg tggtcagaac tcccangatt 120
ctgcatccan gatccagtct ctatagaagt tatggatcat tcttccattt cattcccccc 180
ttcatgaaaa aacttctgaa caagcctttt ttctcacttt ggggcctgtt ttggcncaag 240
gtnttnantt ggggaaaaaa aaacaaatcc ntccnttan cctcccggtg ggaatgacct 300

```

<210> 111  
 <211> 366  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(366)  
 <223> n = A,T,C or G

<400> 111  
 cgagcggccg cccgggcagg tccttgtgtt gccatctgtt ancattgatt tctggaatgg 60  
 aacanccttc tcaaagtttg gtcttgctan tcatgaagtc atgtcagtggt ctttaagtcac 120  
 tgctgtcac ttccttaccg agggaaatata ctgcataagt ttctgaacac ctgttttcan 180  
 tattcaactgt tcctctcctg cccaaaattg gaagggacct catttaaaaa tcaaatttga 240  
 atcctgaaan aaaaacngga aatntttctc ttggaatttg gaatagaatt attcanttga 300  
 ataacatggt ttttccctt gccttgcctc tcncaanaac atctggacct cggccgcgac 360  
 acctta 366

<210> 112  
 <211> 405  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(405)  
 <223> n = A,T,C or G

<400> 112  
 ctgaactncta aactttcta tcnatcaana taactactct ccttccgtct tncagagtgt 60  
 tcacaataaaa tctgtgaatc tggcatacac agttgtctgga aaattgttct tcctccacna 120  
 aaaggtcaat tggtcncnc atgaaanaag ataaattgtt catccatcac tntgaacca 180  
 tccaaaacgc cggcggaatt attnccccgt tattatgggg aacggaattt tnaataaatt 240  
 tgggaangaa tggggctttt attgttttgt tttccccctt tcttggcatt gattggggccg 300  
 caatggggccc cctcgctcan aanntgcccc gggggcggcc gctccaaaac cgaaattccc 360  
 anccacactt ggcgggcccgt tactanttgg atccgaactc ggtta 405

<210> 113  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 113  
 ggatagaaga gtatatgggt ttggcaccac ggggtggata ggcaaaacat ttggttgata 60  
 aggcgcagat tctgaactaa cttgtaaggc ttgtctggtt ttaggacagg taaaatgggg 120  
 gaatggtaag gagagtttat aggttttagg agcccatgct gtagcaggca agtgataaca 180  
 ggctttaatc ctttcaaagc atgctgtggg atgagatatt ggcatttgag cggggtaagg 240  
 gtgattaggt tttaagtga tggttaaggg tgcatgatcc ggtccgcaa ggaagggaag 300  
 tagaggatatc ttatacttgt ggggttaagg tgggggggat ataagagga ggacgcaaaa 360  
 ggaggctttg gattaggaat aaggggcggc aatgagatgc a 401

<210> 114  
 <211> 401  
 <212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 114

angtccacag	gangcangag	gccaggctcc	gtcccancca	gtccatgatg	ttgaagagga	60
ggaagcagca	catgggggtg	aagaactgac	tccacttccc	aggactggtg	gagctggtca	120
ccatggctgt	ggtggcgggg	aagacggaca	gggtgacttc	tggaagacag	tgaagactga	180
aggttttcct	ggcttctggg	gctcatctgg	ctctgattcc	ggctccttct	ccaggtcaag	240
atccaggggt	cagagctact	ttcttggggg	actactnggg	aatcccgttc	tcctctgggg	300
gtngaggggg	gacggggnaa	gggncatgct	tgtgacctag	gtttcccacc	tcggcccgcg	360
accacgctaa	ggcccgaatt	ncagcacact	tggcgggccc	t		401

<210> 115

<211> 401

<212> DNA

<213> Homo sapien

<400> 115

atccctgtaa	gtctattaaa	tgtaaataat	acatacttta	caacttctct	tagtcggccc	60
ttggcagatt	aaatctttgc	aaaattccat	atgtgctatt	gaaaaatgaa	ataaaacctc	120
agatgtctga	attcttattt	caaatacagt	tatataatta	ttttaaatta	caatatacaa	180
tttctgttaa	atacaactgt	taagggattc	tgagaacaat	tataagatta	taataatata	240
tacaaactaa	cttctgaaat	gacatggggt	gtttccttcc	cacctccta	ccctctcaaa	300
gagtttttgc	atttgctgtt	cctggttgca	aaaggcaaaa	gaaaatctaa	aaatagtctg	360
tgtgtgtcca	cgacatgctc	gctcctttga	gaatctcaaa	c		401

<210> 116

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 116

ngatttaatt	gnnagcttct	ttttaatgga	atnnttggct	aaaatgaatt	gatgattatg	60
aatatcccta	ggaggagtta	gcatggannn	tgatcatttt	cttngnactc	ctttangaca	120
nggaaacagg	natcagcatg	anggtanacan	aaaccttatn	accnangcgc	acganctgac	180
ttcttccaaa	gagttngngt	tccgggcage	ggtcattgcc	gtgcccattg	ctggagggct	240
gattctagt	ntgcttatta	tgctggccct	gaggatgctt	ccaanatgaa	aataagangc	300
t						301

<210> 117

<211> 383

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

&lt;222&gt; (1)...(383)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 117

aattgcaact	ggacttttat	tgggcagtta	cnacaacnaa	tgttttcana	aaaatatttg	60
gaaaaaatat	accacttcat	agctaagtct	tacagagaan	aggatttgct	aataaaactt	120
aagttttgaa	aattaagatg	cnggtanagc	ttctgaacta	atgcccacag	ctccaaggaa	180
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gggcnanga	tactgantag	gaa				383

&lt;210&gt; 118

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 118

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tgaagttcgg	gtttttgtgt	taagttaatc	tgtacattct	gtttgccatt	gttacttgta	240
ctatacatct	gtatatagtg	tacggcaaaa	gagtattaat	ccactatctc	tagtgcttga	300
c						301

&lt;210&gt; 119

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 119

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gatgcttaag	tgcatggac	agtaaataaa	tttgaacttt	atgtttgagg	acatgacatt	300
gggtttgaaa	atataaactg	cttttgagca	gtttaagtca	gggcatttga	gaataaaaata	360
ggaactttct	cttcagtttg	taaaactctc	ttgcctctc	t		401

&lt;210&gt; 120

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 120

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c						301